

096403-09300

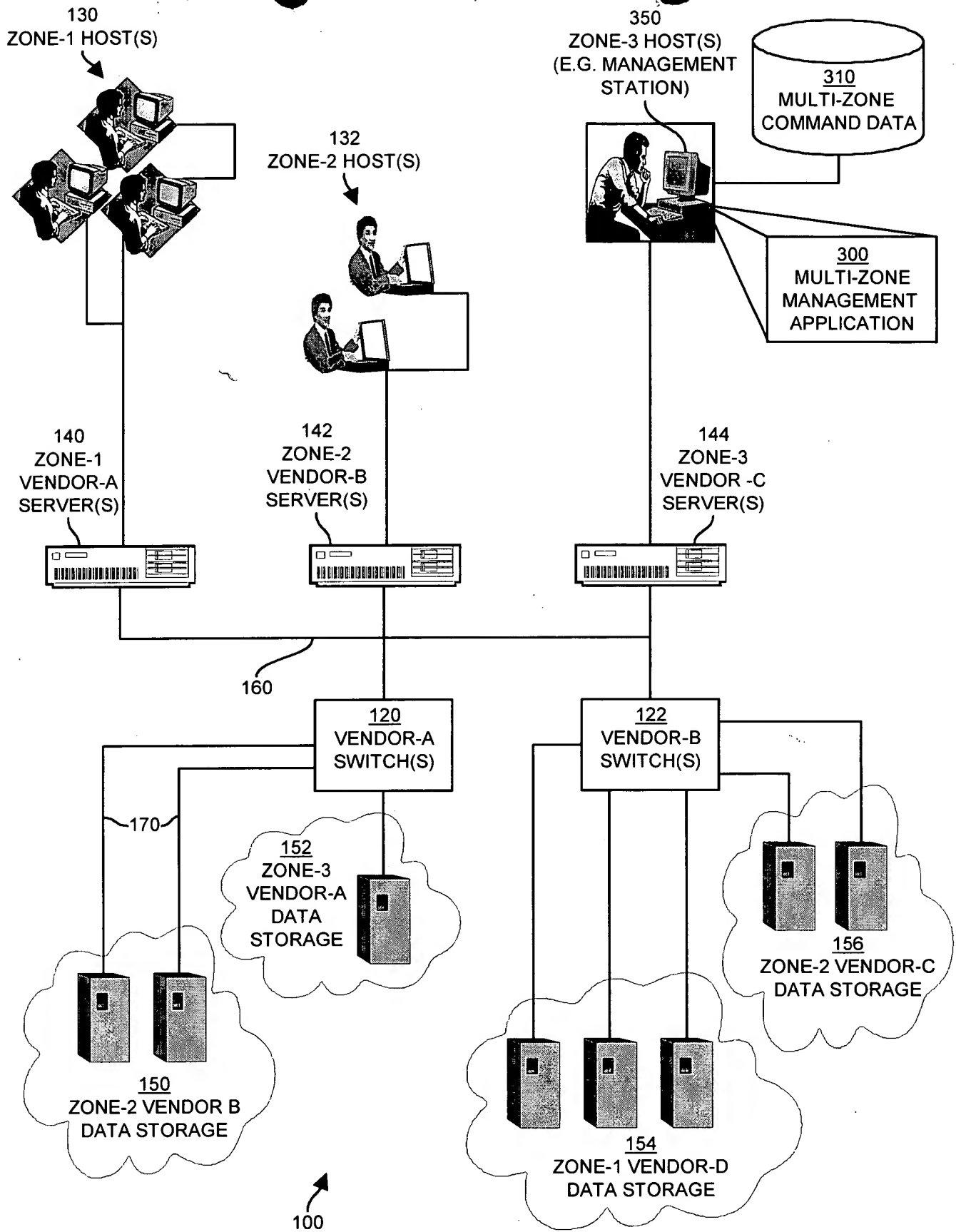


FIG. 1

FIG. 2

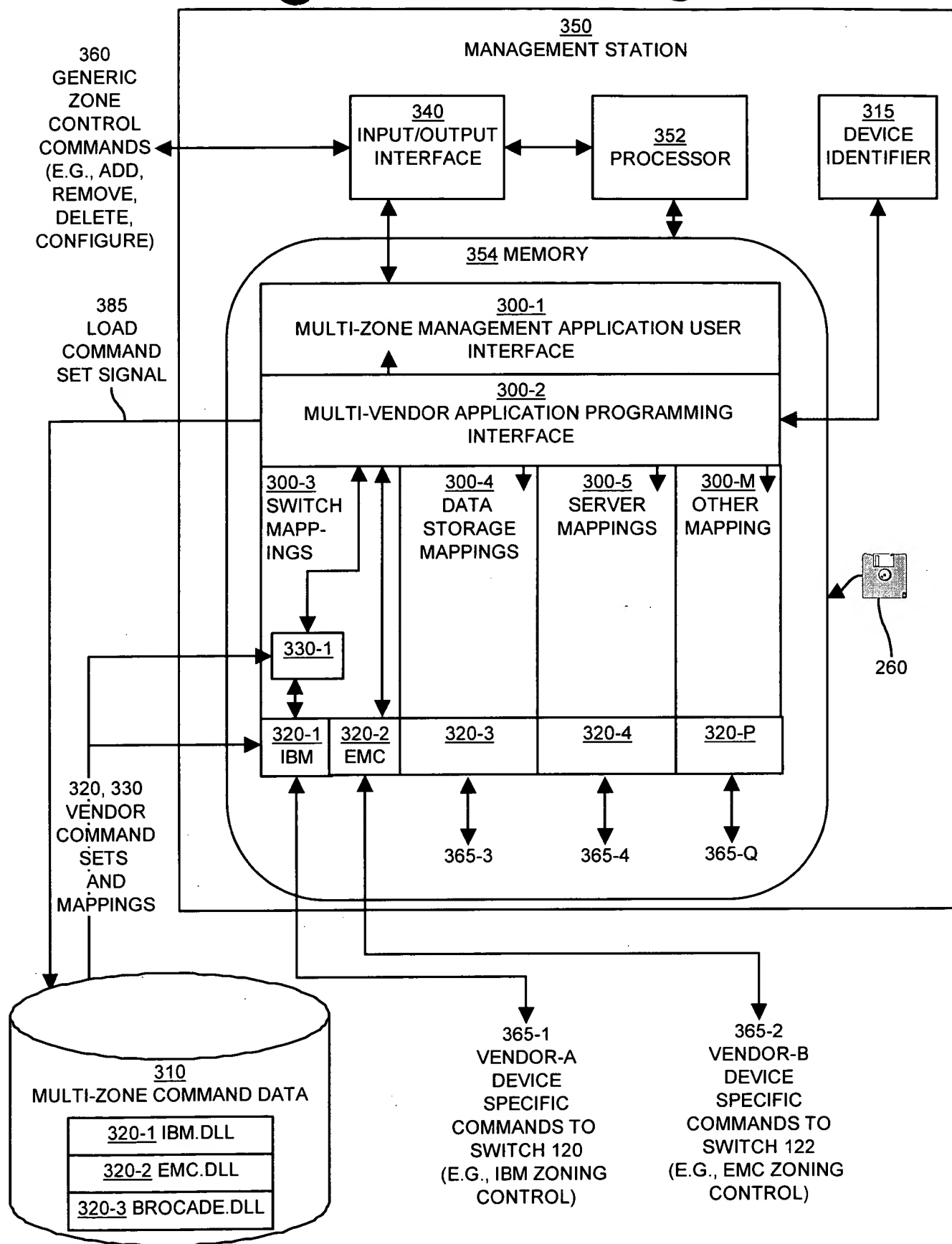


FIG. 3

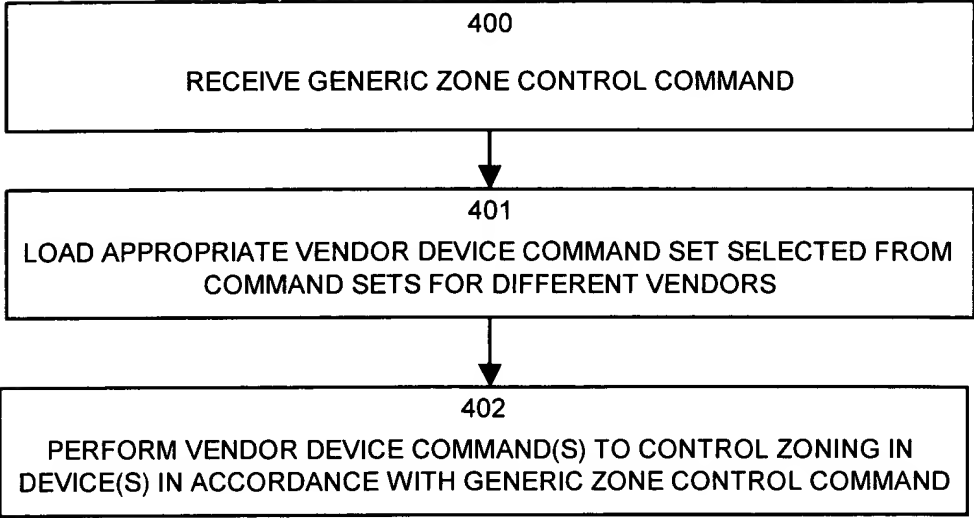


FIG. 4

330

360 GENERIC ZONE CONTROL COMMANDs	365-1 IBM ZONE CONTROL COMMANDS	365-2 EMC ZONE CONTROL COMMANDs
CREATE_ZONE(ZONE, SERVERS, DATA_STORAGE_RESOURCE)	CREATE_ZONE(ZONE, SERVER_ID, DATA_STORAGE_ID)	CREATE_ZONE(ZONE, SERVERS, DATA_STORAGE_RESOURCE)
ADD_TO_ZONE(ZONE, RESOURCE)	ADD_TO_ZONE(ZONE, PORT)	ADD_TO_ZONE(ZONE, RESOURCE)
REMOVE_ZONE(ZONE, RESOURCE)	REMOVE_ZONE(ZONE, PORT)	REMOVE_ZONE(ZONE, RESOURCE)

FIG. 5

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graph TD
    404[404  
IDENTIFY ZONE MANAGEMENT DEVICE(S) AFFECTED BY THE ZONE  
CONTROL COMMAND] --> 405[405  
IDENTIFY VENDOR(S) OF ZONE MANAGEMENT DEVICE(S)]
    405 --> 406[406  
SELECT A SET OF VENDOR SPECIFIC DEVICE COMMAND(S) THAT CAN CONTROL  
ZONING WITHIN THE ZONE MANAGEMENT DEVICE(S)]
    406 --> 407[407  
DYNAMICALLY LOAD THE SET OF VENDOR SPECIFIC DEVICE  
COMMANDS INTO THE MULTI-ZONE MANAGEMENT APPLICATION]
    407 --> 408[408  
SELECT VENDOR SPECIFIC DEVICE COMMAND(S) IN THE SET OF LOADED  
VENDOR SPECIFIC DEVICE COMMANDS THAT PERFORM ZONING  
OPERATIONS IN THE ZONE MANAGEMENT DEVICES IN ACCORDANCE WITH  
THE GENERIC ZONE CONTROL COMMAND]
    408 -- "MAPPING REQUIRED" --> 409[409  
MAP THE GENERIC ZONE CONTROL  
COMMAND THE VENDOR SPECIFIC  
DEVICE COMMAND(S)]
    408 -- "NO MAPPING REQUIRED" --> 410[410  
PERFORM THE VENDOR DEVICE COMMAND USING THE PARAMETERS TO  
CARRY OUT THE INTENDED ZONING OPERATION IN THE VENDOR DEVICE]
    409 --> 410

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FIG. 6